

APPARATUS, SYSTEM, AND METHOD FOR UTILIZING TAPE MEDIA SEGMENTATION

ABSTRACT OF THE DISCLOSURE

An apparatus, system, and method are presented for utilizing tape storage media segmentation to improve data access performance. A segmented tape storage medium within a tape cartridge having a first and second segment is utilized. A selection module allows a user to select a user-defined capacity of the tape storage medium that is less than the usable capacity of the tape storage medium. The user-defined capacity allows the user to prefer improved data access over tape storage capacity. Data, when written to the tape, is written only within the user-defined capacity. Data may be written exclusively on the first segment or written on both the first segment and second segment allowing data access to be improved. In addition, the user-defined capacity may correspond to the full capacity of the tape storage media.

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